IN THE CLAIMS

Please amend the claims as appears below. The present listing of claims replaces all prior versions and listings of claims in the application:

1.   (Currently Amended)   A method for measuring an absolute steering angle of a steering shaft for a vehicle using a first rotatable body and a second rotatable body that rotate together with the steering shaft of the vehicle at a predetermined rotation ratio, respectively, the method comprising ~~the steps of~~: ·

organizing a table by matching a plurality of relative rotational angle pairs (Ψ'', θ'), wherein Ψ'' is a relative rotational angle of the first rotatable body, and θ' is a relative rotational angle of the second rotatable body, with respective absolute steering angles, Φs, corresponding to each of the relative rotational angle pairs;

obtaining a Ψ_M' value by measuring the relative rotational angle Ψ'' of the first rotatable body and obtaining a θ_M' value by measuring the relative rotational angle θ' of the second rotatable body ~~by means of~~using angle sensors ~~whose~~having measurement ranges ~~are Ωs;~~of Ω; and

obtaining an absolute steering angle Φ of the steering shaft corresponding to the measured relative rotational angle pair (Ψ_M', θ_M') by looking up the table.

2.   (Currently Amended)   The method according to claim 1, wherein the obtaining a corresponding absolute steering angle Φ comprises ~~sub-steps of~~:

obtaining from the table two consecutive pairs of relative rotational angle having the measured relative rotational angle pair (Ψ_M', θ_M') therebetween, and two absolute steering angles corresponding to respective pairs; and

obtaining a first absolute steering angle Φ_{M1} by applying two relative rotational angles of the first rotatable body included in the two pairs of the relative rotational angle,

4

the two absolute steering angles corresponding to respective pairs, and the Ψ_M', to an interpolation equation.

3.   (Currently Amended)   The method according to claim 1, wherein the ~~step of~~ obtaining a corresponding absolute steering angle Φ comprises ~~sub-steps of~~:

obtaining from the table two consecutive pairs of relative rotational angle having the measured relative rotational angle pair (Ψ_M', θ_M') therebetween, and two absolute steering angles corresponding to respective pairs;

obtaining a first steering angle Φ_{M1} by applying the two relative rotational angles of the first rotatable body included in the two pairs of the relative rotational angle, the two absolute steering angles corresponding to respective pairs, and the Ψ_M', to an interpolation equation;

obtaining a second absolute steering angle Φ_{M2} by applying the two relative rotational angles of the second rotatable body included in the two pairs of the relative rotational angle, the two absolute steering angles corresponding to respective pairs, and the θ_M', to the interpolation equation; and

taking the mean value of the Φ_{M1} and the Φ_{M2}.